

1st May, 1904

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[§§ 12129 to 12182.]

[Issued with Army Orders, dated 1st May, 1904.]

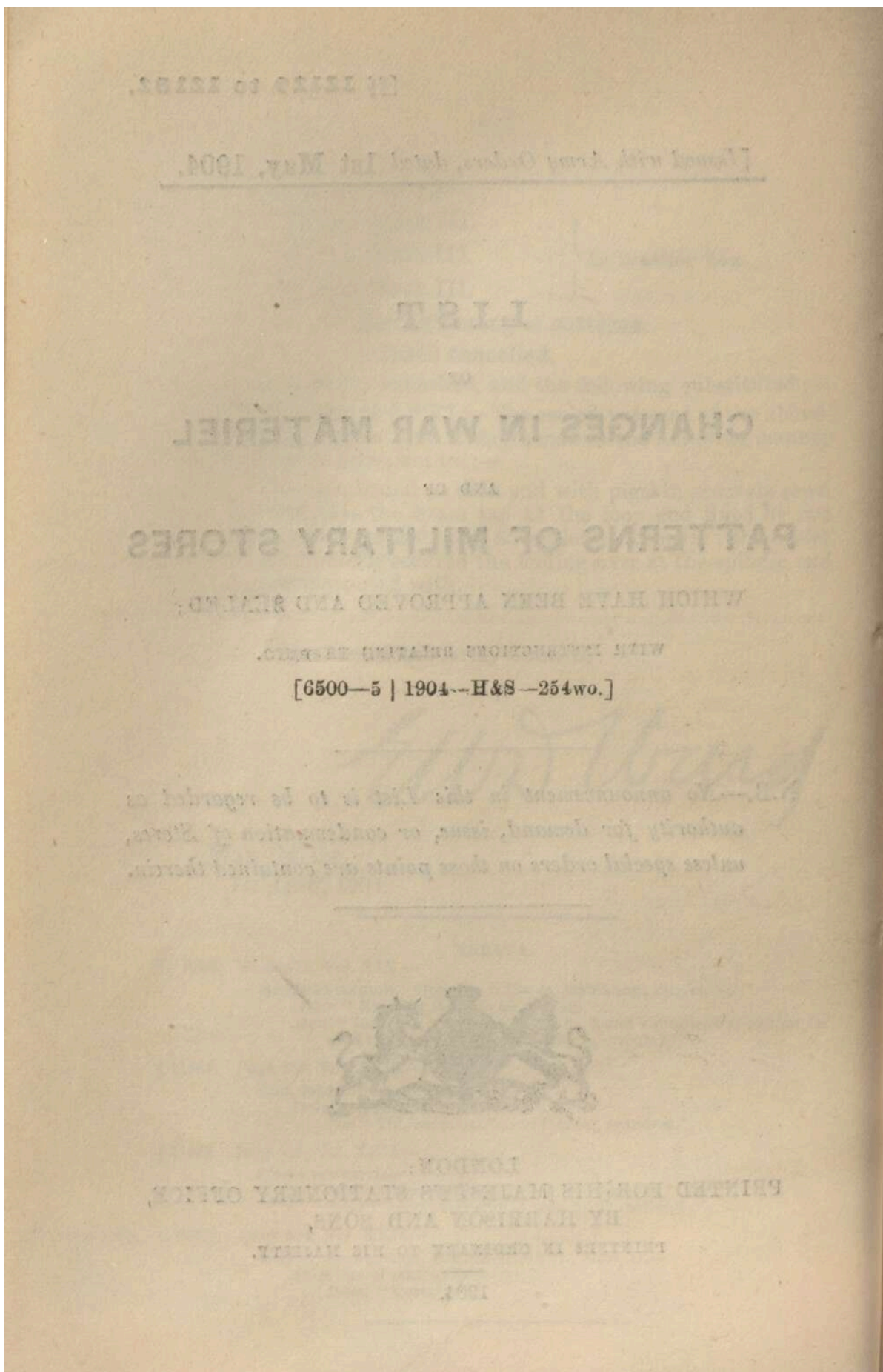
LIST
OF
CHANGES IN WAR MATÉRIEL
AND OF
PATTERNS OF MILITARY STORES
WHICH HAVE BEEN APPROVED AND SEALED;
WITH INSTRUCTIONS RELATING THERETO.

N.B.—*No announcement in this List is to be regarded as authority for demand, issue, or condemnation of Stores, unless special orders on those points are contained therein.*



LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY HARRISON AND SONS,
PRINTERS IN ORDINARY TO HIS MAJESTY.

1904.



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15-pr.—		
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<i>securing valises containing horse</i>		
<i>shoes.</i>		

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1st May, 1904.

[§§ 12129 to 12182.]

(WEEDON SECTION.)

12129.—Cut-off, rifle, short,
M.L.E. (Mark I.) .. N | and rifle, short, M.L.E.,
converted, Mark II.

With reference to § 11850 :—A pattern of the above-mentioned component, as shown in the accompanying drawing, has been sealed in substitution of that described in above quoted paragraph.

18th Feb. 1904.

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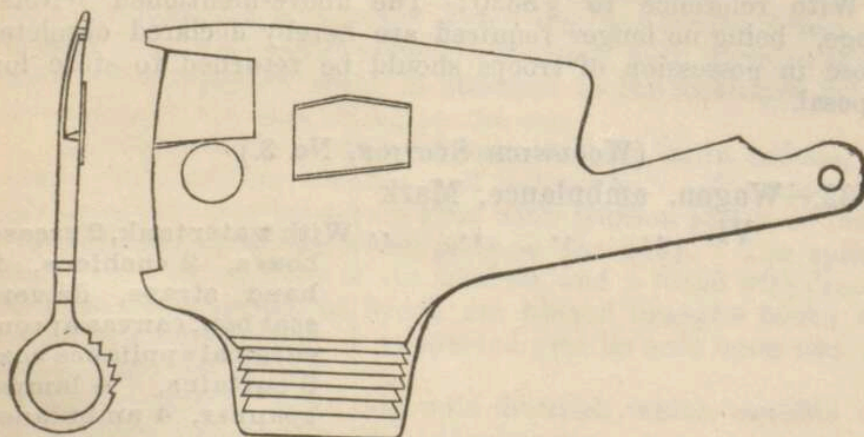
3820

It differs in the following particulars :—

The clearance for the magazine stop clip at front has been increased, and the lead for cartridge head increased at rear.

Cut-off, rifle, short, M.L.E.

Full size.



(WOOLWICH SECTION, No. 2.)

12130.—Barrow, wheel, intrenching,
with wheel, Mark IV. .. Steel, with tubular
frame.

A pattern of the above-mentioned barrow has been sealed to govern future manufacture.

17th Nov. 1903.

7687

1111

(254)

A

690

It differs from Mark III." (§ 6148) in the following particulars:—

The body is made of steel, secured to a steel tube frame by bolts and nuts.

The frame is shaped for handles, feet, and wheel guard; two steel bearings are bolted to the frame to receive the axle, and a strengthening strap is similarly secured to the front of the body and frame.

The wheel is made of crucible steel, 16 inches diameter, with tire 2 inches wide.

Approximate dimensions of body are—

Gauge—No. 17 S.W.G.

Top—30 inches long, 23 inches wide.

Front—13 $\frac{3}{4}$ inches deep.

Back—5 inches deep.

Bottom—18 inches long, 18 inches and 13 inches wide.

Weight—(about) 66 lb.

12131.—Nets, forage, pair. (Mark II.) |

Obsolete.

11th March 1904.

79

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With reference to § 8330:—The above-mentioned "Nets, forage," being no longer required are hereby declared obsolete. Those in possession of troops should be returned to store for disposal.

(WOOLWICH SECTION, No. 3.)

12132.—Wagon, ambulance, Mark

VI. With watertank, 2 grease boxes, 2 cushions, 2 hand straps, drivers seat box, canvas apron, surgical appliance box, 8 curtains, 4 lamps, spanner, 4 ambulance stretchers, draught pole No. 7a, 2 pole chains, and 2 swingle-trees No. 10a.

26th Aug. 1903.

57

Gen. No.

3328

15th Aug. 1903.

4501

11th July 1903.

3561

Tire, indiarubber:—

Wheels, ambulance
wagons—

Fore. (Mark I.)

Hind. (Mark I.)

A drawing (R.C.D. 10234) of the above-mentioned wagon has been approved to govern future manufacture.

The wagon is constructed to carry patients as follows :—

4 on stretchers (2 stretchers on the floor, and 2 on seats immediately above).

or—

12 sitting (on seats).

or—

6 sitting, and 2 on stretchers.

The wagon consists generally of a body, with roof, forecarriage, brake gear, springs, axletrees, and wheels.

The body, which is supported at the front by the forecarriage, and at the rear by two cross springs, and two side springs on the hind axletree, is fitted with six movable standards (three on each side) to support the roof, ventilators along the sides, travelling lamps, and curtains of waterproof canvas. The interior is provided with seats, lamps, handstraps for the convenience of the lying down patients, fittings to carry six rifles; a seat between the stretchers for an orderly, and a compartment on each side for medical comforts. Under the body four lockers and a compartment for a water tank are fitted, the former for surgical appliances, dressings, &c., and the latter for a 10-gallon water tank. At the front of the wagon two lockers are formed, over which is constructed a driving seat, fitted with guard irons; immediately under the seat, in the centre, a small locker is formed. The seat is provided with a seat box for the driver, and is protected by a hood of waterproof canvas, with curtains at each side. A waterproof apron is attached to the footboard for the protection of the men riding on the seat.

The forecarriage consists of four futchels, main bolster, two sweep plate bolsters, crossbar, and splinter bar. The upper part of the sweep plate bolsters is shod with friction plates, to form a suitable bearing for the wheel plate on the body. The splinter bar is fixed to the front of the futchels, and is fitted with draught springs and brackets, to which are hinged draught hooks with loops. The forecarriage is supported over its axle upon two side springs and one cross spring,

The wagon is fitted for pole draught, which consists of a No. 7A pole and two No. 10A swingletrees.

The body and forecarriage are connected by a main pin, and bolster plates, with a cup and socket centre. The main pin passes through the body bolster and main bolster, and is keyed beneath.

The brake, which acts on the front of the hind wheels, is applied by the driver, motion being transmitted from a hand-wheel through a rocking shaft, levers, and rods, to the brake blocks.

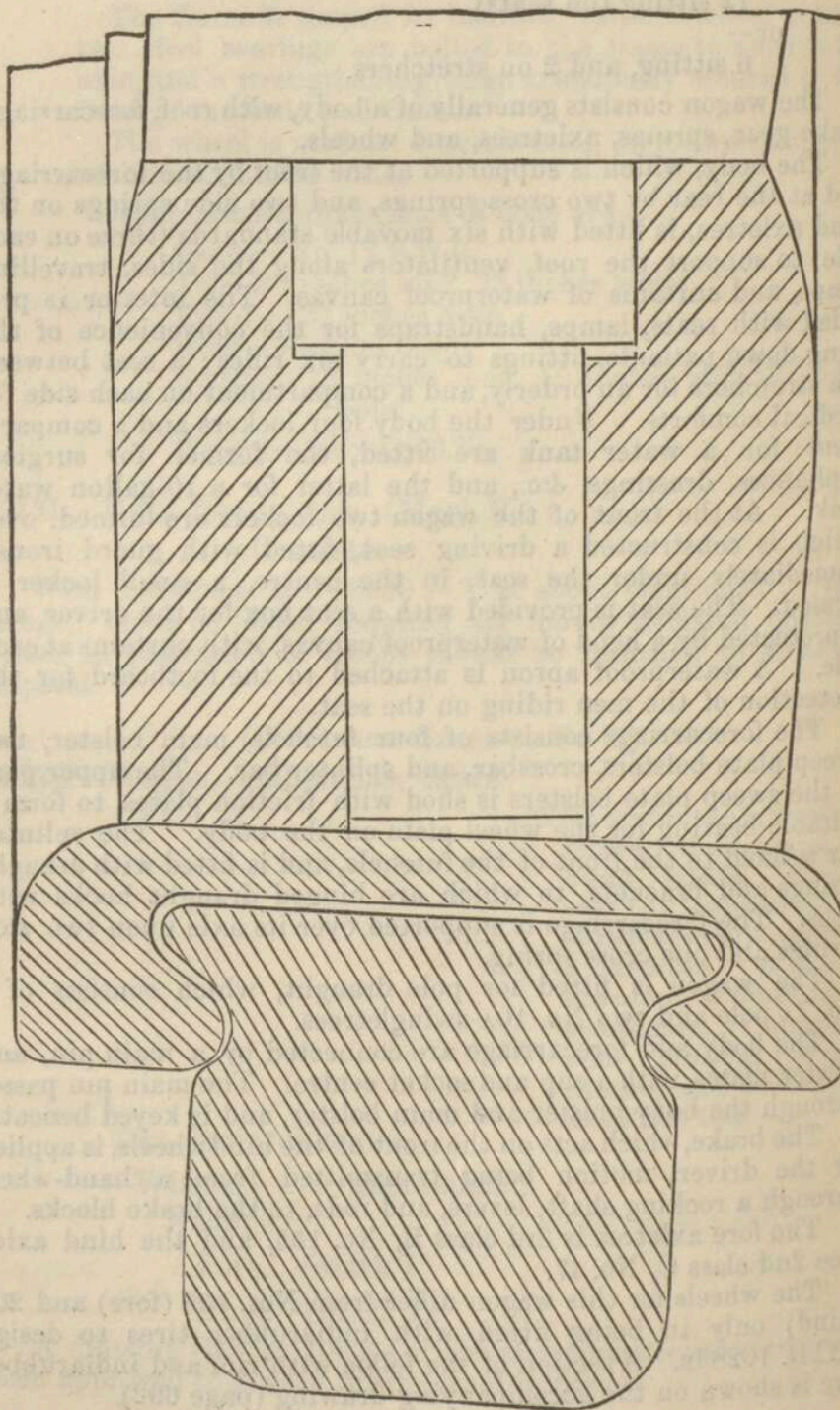
The fore axletree is 3rd class B, No. 155, and the hind axletree 2nd class C, No. 47.

The wheels for this wagon differ from Nos. 159 (fore) and 200 (hind) only in being fitted with indiarubber tires to design R.C.D. 10289B. A section of the felloe with rim and indiarubber tire is shown on the accompanying drawing (page 692).

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Tire, indiarubber—
Wheels, ambulance wagons.

Full size.



Dimensions, &c.

<i>Dimensions, &c.</i>						
Length—						
With pole (maximum) ....	....	....	....	....	feet.	inches.
Without pole (maximum) ....	....	....	....	....	23	1
Height (maximum) ....	....	....	....	....	13	9
Width ....	....	....	....	....	11	1
Track ....	....	....	....	....	7	0½
Distance between axles ....	....	....	....	....	6	0
Minimum space in which the wagon can turn ....	....	....	....	....	7	11
.....	....	....	....	....	26	0
Dimensions of space occupied in boats—						
Length ....	....	....	....	....	14	0
Breadth ....	....	....	....	....	7	0½
Height (with hood lowered) ....	....	....	....	....	6	7
Weight (complete)					cwt.	qr. lb.
.....					23	2 6
Tonnage					tons.	
.....					16·225	

(WOOLWICH SECTIONS, NOS. 4 AND 13.)

12133.—Wagons, ammunition:—

B.L.—			
12-pr. 6-cwt.	..	L	
15-pr. .. ..	..	L	
5-inch howitzer	..	L	
Q.F. 15-pr. ..	..	L	
Wagons, ammunition			
and store .. ..	..	L	
Wagons, general			
service, Marks IX.			
and X.			

Staples to be fitted to front of wagons for securing valises containing horse shoes.

Valises (§ 12135) containing 12 horse shoes with nails will, in future, be carried on the front of each ammunition wagon of the above-mentioned description, and on the front of ammunition and store wagons, and of such G.S. wagons as are allotted to R.A. services. The valise will be attached to a staple (or D), placed at such a height that the valise will rest on the footboard.

The staples will, on the receipt of valises, be obtained and attached to existing vehicles locally, in accordance with instructions which will be issued later.

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14th March 1904.

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Artillery

1632

A 3

(WOOLWICH SECTION, No. 5.)

12134.—Harness, breast, pole
draught, R.A.:—

Conversion of parts of harness, pole, neck-
collar, draught, R.A.

Breeching*	..	..	..	With two removable tugs; converted from Mark III.
Traces, rope, long, pair*	..	..	..	3-inch rope, with releas- able attachment ends, and leather loop in centre, converted from Mark II.

1. With reference to § 12000:—The conversion of artillery harness to the new pattern breast collar system having been approved, samples of the above-mentioned articles have been sealed to govern the conversion.

*Breeching.**

This differs from Mark I., introduced with breast collar draught (§ 12000), in having 2-inch iron buckles on the body instead of $1\frac{3}{4}$ -inch brass, and $1\frac{3}{8}$ -inch hip strap tug buckles instead of $1\frac{1}{4}$ -inch. It will be designated as above, *i.e.*, with a star after the name in the Vocabulary.

*Traces, rope, long.**

These have the belly bands, tugs, and chains removed, the latter being replaced by releasable attachments.

The length of the trace from the extreme ends of the caps is 5 feet. The star will also be shown against this article.

Details of a complete double set of the new breast harness are given in § 12000, pages 576 and 577.

2. A complete set of the converted harness will consist of the following articles:—

Articles.	Wheel.		Lead and centre.		Remarks.
	Near.	Off.	Near.	Off.	
<i>New articles to be demanded.</i>					
(Woolwich Section, No. 5.)					
Harness, breast, pole draught, R.A.—					
Collar, breast	1	1	2	2	
Neckpiece, polebar ..	1	1	
Straps, neck	1	1	2	2	
Traces, wire, long—pair	1	1	

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Articles.	Wheel.		Lead and centre.		Remarks.
	Near.	Off.	Near.	Off.	
<i>Articles to be made and converted from those in possession.</i>					
(Woolwich Section, No. 5.)					
Harness, breast, pole draught, R.A.—					
Breechings*	1	1	Until stock is exhausted.
Straps, hip, long, wheel, pair	1	1	..	..
Straps, loin, lead .. ..	..	..	2	2
Traces, rope, long, pair*	..	..	2	2
<i>Articles unaltered.</i>					
Harness, pole draught, R.A.—					
Leggings, drivers ..	1	..	2	..	Until stock is exhausted.
Traces, rope, short, pair	..	..	2	2
Harness, G.S.—					
Bits, portmouth, reversible	1	1	2	2	As ordered. Until stock is exhausted. Until stock is exhausted.
Pads, collar, zinc ..	1	1	..	..
Pannels, numnah, drivers .. pair	..	..	..	..
Reins, bearing	1	1	2	2	
Saddles, drivers ..	1	1	2	2	
Straps, collar pad—pair	1	1	..	..
Whips, drivers.. ..	1	..	2	..	
(Woolwich Section, No. 6.)					
Saddlery, universal—					
Blankets, saddle ..	1	1	2	2	Until stock is exhausted.
Collars, head	1	1	2	2	
Girths, pattern 1884 ..	1	1	2	2	Until stock is exhausted.
Irons, stirrup, G.S. ..	2	2	4	4	
Leathers, stirrup	2	2	4	4	
Numnahs, felt	1	1	2	2	
Runners, stirrup leather	2	2	4	4	
Straps, baggage	3	3	6	6	
Surcingles, leather ..	1	1	2	2	

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Articles.	Wheel.		Lead and centre.		Remarks.
	Near.	Off.	Near.	Off.	
<i>Articles to be returned, per team of six, on completion of conversion.</i>					
(Woolwich Section, No. 5.)					
Harness, pole draught, R.A.—					
Breechings .. ..	..	..	2	2	Complete.
*Chains, hame	1	1	2	2	
*Cruppers	1	1	2	2	4 being without hip straps.
*Hames pair	1	1	2	2	
*Hooks, polebar.. ..	1	1	..	..
*Straps, breast breeching	1	1	2	..	2 "off lead" being utilized in the breeching conversion.
*Straps, flank	2	2	4	..	4 "off lead" being utilized in making hip strap tugs.
*Straps, pole	1	1	..	..
*Traces, rope, wheel, pair	1	1	..	..	Complete.
Harness, G.S.—					
*Collars, neck	1	1	2	2	
Reins, bearing	1	1	2	2	
*Pieces, buckling	1	1	2	2	
*Straps, hame	1	1	2	2	
*Straps, wither	1	1	2	2	
(Woolwich Section, No. 6.)					
Saddlery, universal—					
*Bits, bridoon	1	1	2	2	

* These articles will become obsolete for R.A. as the conversion is completed.

All spare articles of the above class that do not form part of the new system will also be returned to store.

3. The conversion will be carried out in accordance with the following instructions. The articles to be converted are :—

Traces, rope, long, pair ....	....	} For lead and centre.
Loin strap with tug ....	....
Breeching....	....	} For wheel only.
Straps, hip, long, wheel, pair (and tugs) ....	....

A sample of each of the above will be lent on demand to guide the conversion.

They should be converted in the following order :—

- (1.) Breechings From those now used as lead.
- (2.) Rope traces and loin
straps for lead and
centre On receipt of breast collars
and neckstraps.
- (3.) Straps, hip, long On receipt of wire traces.

Breechings.

Remove the 2-inch curved links, buckles, and tugs, also the blocked loops from the ends of the body, and sew to the body the buckles. The length of body from the end of each buckle when altered is to be 54 to 57 inches.

Remove loin strap and tug with its links and trace bearers, and sew in the latter 12 inches from the end of body buckle. Open the lay $15\frac{3}{4}$ inches from the end of the buckles to carry hip strap tugs.

Two straps, each 34 inches in length, for sewing to body are to be cut from one breast breeching strap. Before attaching them to the body, the thickness should be reduced to $\frac{5}{16}$ inch by cutting free the lay, shaving it well down, and re-stitching it.

Traces, rope, long.

Remove belly band tugs, front caps and chains, insert releasable attachments, re-splice, and sew on caps. The length of traces when completed should be about 5 feet from the extreme ends of the caps.

Straps, loin, with tugs.

Form two for the lead pair from the four belly band buckle parts of the converted rope traces, and two for the centre pair, from the loin straps of the two converted breechings; lengthen them, if necessary, by the short pieces removed from belly band buckle parts.

Form the four tugs from the point straps of belly bands, the fixed riveted loops to be made from the annual supply of leather.

Straps, hip, long, pair, tugs.

Remove eight hip straps from four cruppers, and make two pairs of long hip straps from them ; the small circular safe in the centre to be made from the annual supply of leather.

Form two pairs of tugs from the four rope trace tugs and four flank straps.

4. The following material to carry out the foregoing alterations will be issued on demand, viz. :—

(Woolwich Section, No. 6.)

Attachments, steel, releasable,	} 2 per pair rope traces for lead and centre.
wheel trace 	
Straps, releasable 	

Rivets, copper, tinned, with washers—

$\frac{1}{8}$ -inch, No. 6 W.G.	2 per double wheel sets, for long hip straps (10 per cent. spare will be allowed).
--------------------------------------	--

$\frac{3}{8}$ -inch, No. 12 W.G.	3 per double set harness, for loops on hip and loin strap tugs.
---------------------------------------	---

Thread, flax, fine, ozs.	2 per double set harness.
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(Woolwich Section, No. 11.)

Wax, black, ozs.	$\frac{3}{4}$ per double set harness.
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A charge will be allowed to the battery saddler for the alterations as follows :—

	<i>d.</i>
For each breeching 	6
For each pair of rope traces 	3
For each loin strap with tug 	1
For each pair of long hip straps with tugs 	1½

5. Instructions will be issued from the War Office to all concerned, notifying when this conversion is to be carried out.

699

(WOOLWICH SECTIONS, Nos. 5, 6 AND 10.)

12135.—Valise, horse shoe. (Mark I.) | Leather.

New pattern.

Cases, horse shoe, harness.

Cases, horse shoe, saddlery, pattern 1884.

Withdrawn from artillery use.

A pattern of the above-mentioned valise has been sealed to govern conversion of "Valises, G.S., Mark III., pattern 1888," for carrying spare horse shoes of horse, field, and heavy artillery, on ammunition, general service, or ammunition and store wagons.

Units concerned will immediately put forward requisitions for one valise for each ammunition, general service, or ammunition and store wagon, in possession.

On receipt of the "Valises," the "Cases, horse shoe," will be returned to store, and no longer form part of the equipment for artillery use.

(WOOLWICH SECTION, No. 6.)

12136.—Saddlery, universal—

Bucket, signalling flag .. Leather; cavalry.

Obsolete.

With reference to § 6798:—The above-mentioned "Bucket, signalling flag," being no longer required is hereby declared obsolete.

Buckets in possession of units are to be returned to the nearest Army Ordnance Store, and after the ends and straps have been removed they will be re-issued to units as "convertible leather," in lieu of an equal weight of "bridle leather."

(WOOLWICH SECTIONS, Nos. 6 AND 13.)

12137.—Pockets, T-friction

tubes. (Marks I.**,

II.* and III.) ..

.. L

Leather, also for lan-
yards; carriages, B.L.
12-pr. Mark II., 15-pr.
Mark IV., and 5-inch
howitzer.

1. New pattern.

2. Alteration to Marks I.* and II. pockets.

1. A pattern of the above-mentioned Mark III. T-tube pocket has been approved to govern future manufacture.

14th March 1904.

54

Artillery

1632

17th Feb. 1904.

23rd March 1904.

54

Gen. No.

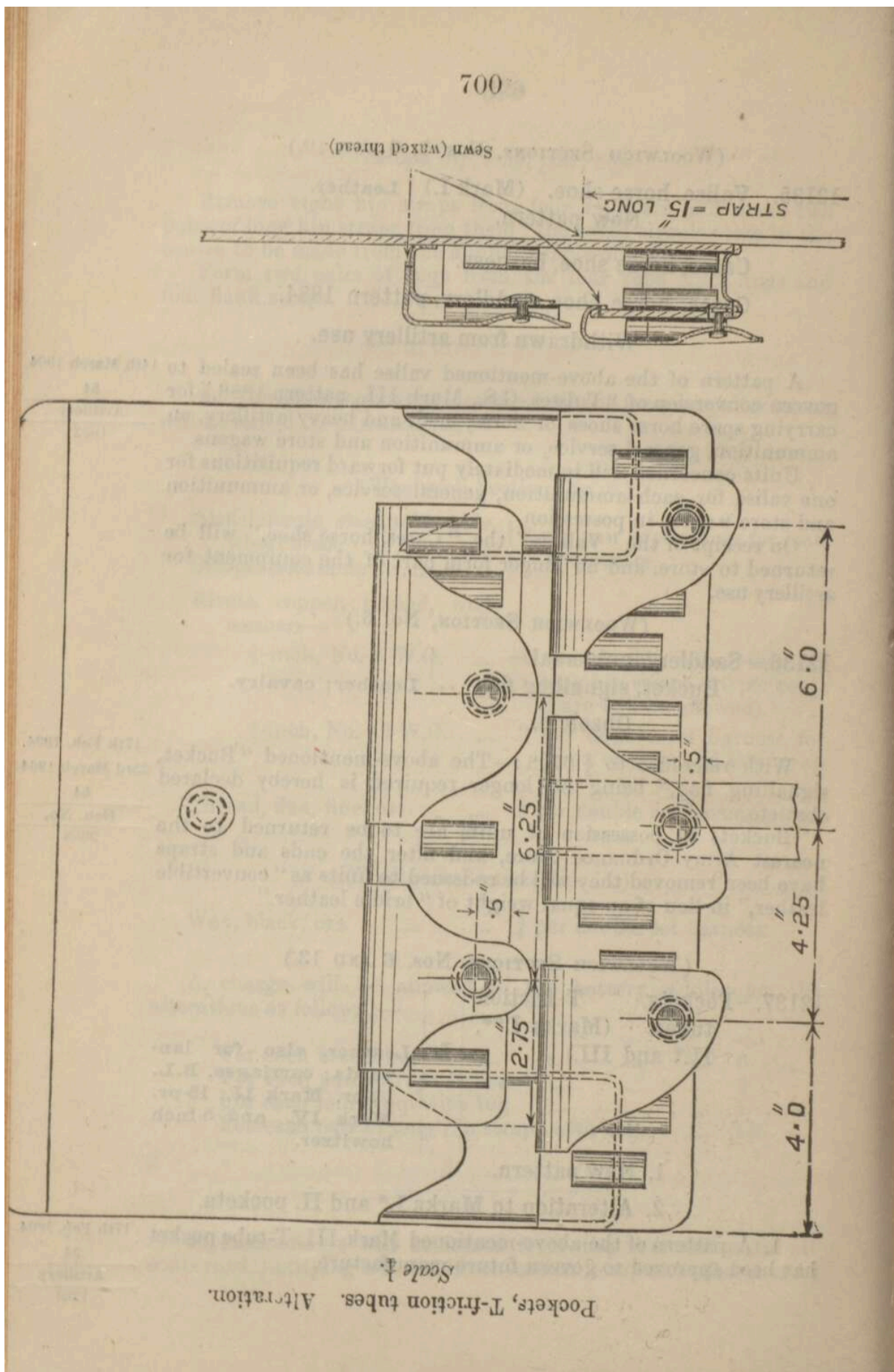
9358

17th Feb. 1904.

54

Artillery

1227



It differs from the previous patterns (§ 9252), in being fitted with five flaps to prevent the tubes from falling out, and in having the strap, which secures the outside flap, sewn to the back of the pocket instead of the front as hitherto.

2. Existing Marks I.* and II. pockets will be altered locally, in accordance with the accompanying drawing (page 700) and the instructions detailed below, the undermentioned stores being supplied to officers concerned on demand.

Altered pockets will be known as Marks I.** and II.*, the additional star in the case of Mark I.,* and the star in the case of Mark II. being added locally on alteration.

Instructions.

- (a.) Remove the strap securing the flap, cut it to the length shown on the drawing, and sew to the back of the flap, so that the existing stud holes will suit position of the stud on the flap.
- (b.) Insert the studs and sew the flaps and stud covers to the pocket in the positions shown on the drawing.

Stores per pocket.

(Woolwich Section, No. 6.)

	No.
Covers, stud—leather	5
Flaps—leather (set of 5)	1
Studs, wallet	5

(WOOLWICH SECTION, No. 10.)

12138.—Spanner, platelayers, box. | L | T-handle, 1 inch.

Obsolete.

Spanners of the above-mentioned description (§ 2395) are hereby declared obsolete.

29th Feb. 1904.
58
23

(WOOLWICH SECTION, No. 13.)

12139.—Loop, kicking straps,
B.L. field limbers—
Outer, Mark II. .. | L |

Strengthened pattern.

In future manufacture loops of the above-mentioned description (§§ 8448, 8553, 8829), will be formed with V-shaped

1st Dec. 1903.
54
Artillery
1503
21st Feb. 1904.
1751

ends, so that they may be attached diagonally across the foot-boards of the limbers.

So soon as existing loops become unserviceable they will be removed, and replaced by the Mark II. V-shaped pattern, in accordance with instructional print, R.C.D. 1130, which, together with the undermentioned stores, will be supplied to officers concerned on demand. The existing bolts for securing the loop will be used.

Stores per limber.

Loop, kicking straps, B.L., field limbers—	No.
Outer, Mark II.....	1
Bolt, with nut, countersunk head, $\frac{5}{16}$ inch diameter by $1\frac{3}{4}$ inches long. For B.L. 12-pr.	
6 cwt. only	1

(WOOLWICH SECTION, No. 14.)

12140.—Carriages, garrison—
Sights, automatic .. L

Covers for the protection of cams—obsolete.

23rd March 1904.
57
Colchester
5410

With reference to § 10449:—The covers of automatic sights therein mentioned are hereby declared obsolete.

Officers having covers of this description in their charge will bring them to produce locally.

12141.—Carriage, garrison, bar-
bette, B.L. 9'2-inch,
Mark V... .. L

Brass plates to be fixed to "Plate covering front hoist."

14th March 1904.
40
W.O.
42

In future manufacture of the above-mentioned carriages (§ 10867), two brass plates will be fixed to the "Plate covering front hoist," to indicate the holes in which the feet of the projectile barrow should be placed for each nature of shell—"Armour piercing" and "Lyddite, common."

For existing carriages two brass plates 4 inches by 1 inch will be made and fixed locally, the marking, "A.P. SHELL" and "LYDDITE," being in $\frac{3}{8}$ -inch letters.

The material will be obtained locally.

703

12142.—Carriage, garrison, bar-
bette, B.L. 9'2-inch,
Mark V. L

Shell pit shield fitted with plates of sheet
lead.

The shell pit shields of the above-mentioned carriages (§ 10867) will, in future manufacture, be fitted with plates of sheet lead, in order to give the numbers working the gun a secure foothold.

Existing carriages will be altered locally, in accordance with instructional print R.C.D. 1136, which, together with the under-mentioned stores, will be supplied to officers concerned, on demand.

7th Jan. 1904.

57

Gen. No.

2633

Stores per carriage.

Lead, sheet, 6 lb., per square foot (7 pieces to a set)	Set.
....	1

Screws, countersunk head, brass, $\frac{1}{4}$ inch by $\frac{9}{16}$ inch	No.
....	90

12143.—Gear, electric, illumina-
ting sights:—

Cables, Z—

No. 1	..	..	L
No. 2	..	..	L
No. 3	..	..	L
No. 4	..	..	L
No. 5	..	..	L
No. 6	..	..	L
No. 8	..	..	L

Pin connections lengthened.

Consequent upon the alterations to the lamps described in § 11904, the pin connections at the ends of the above-mentioned cables (§§ 10939, 11615) will, in future manufacture, be of increased length, to ensure sufficient contact surface with the lamp contacts.

11th Dec. 1903.

57

Gen. No.

4290

704

12144.—Sights:—

Automatic—

B.L., C.P., 6-inch L

Q.F., 6-inch .. L

Q.F., recoil, 6-pr... L

Automatic and rock-
ing bar—

Q.F., 4·7-inch, C.P. L

Q.F., 12-pr. .. L

Rocking bar—

B.L., C.P., 6-inch L

Q.F., 6-inch .. L

Q.F., 4·7-inch, C.P. L

Q.F., 12-pr. .. L

Glass slip of hind sight to be protected by
indiarubber.

14th Dec. 1903.

73

3

4844

In future manufacture of sight bars for the above-mentioned sights, the glass slip in the hind sights will be protected by an indiarubber pad placed between the glass and the holder.

13th Jan. 1904.

4884

When it becomes necessary to replace a broken glass in the hind sights of existing sight bars, the alteration described above will be carried out locally as follows:—

The recess in the hind sight for the glass slip will be increased to ·07 inch, and a small pad of sheet indiarubber ·022 inch thick and the same shape as the glass, will be placed in the recess, so as to come between the slip and the holder; care being taken that the pad does not project above the V-notch, and does not obscure the line of sight. The necessary material will be obtained locally.

(WOOLWICH SECTION, No. 15.)

12145.—Chest, Maxim, 303-inch

and M.H. chamber,

machine filling belts,

Mark I.

C Wood, for three.

19th May 1897.

54

Gen. No.

6788

29th Oct. 1903.

57

Gen. No.

4075

A pattern of the above-mentioned chest (not previously announced in *List of Changes*) has been sealed to govern manufacture.

The chest is of deal, with elm ends ; the sides are dovetailed together, and the lid and base are secured to sides and ends by screws. A rope handle is secured by a cleat to each end. The interior is fitted to take three "Machine filling belts, M.H. chamber" (§ 8345), or three "Machine filling belts, Maxim, 303-inch, Mark III." (§ 10826).

Dimensions over all—3 feet $6\frac{1}{4}$ inches by 1 foot 2 inches by 1 foot $3\frac{3}{4}$ inches.

Tonnage134 ton.

12146.—Holder, joint pins,	L	Leather, with attachment straps; also Mark III. parapet carriage.
Marks II. and III.		
tripod mountings,		
Mark I.		

Extended use.

Nomenclature.

The use of the leather holder for carrying spare joint pins (§ 11131) has been extended to the Mark III. parapet carriage (§ 10881). The nomenclature of the holder has therefore been altered as shown above.

In future manufacture of the holder, the lower attachment strap will be made $8\frac{1}{2}$ inches long.

12147.—Ordnance, Q.F., 1-pr.,	L
Mark I.	

Eyebolt, and lighter pattern of chain for cork plug.

With reference to § 10949 :—In future manufacture of guns of the above-mentioned description, the cork plug for barrel case will be secured by means of an eyebolt, placed in the position shown in the accompanying drawing (page 706), and a short length of "Chain, brass, solid link, No. 4."

Existing guns will be altered, as described above, locally, in accordance with the accompanying drawing, the chain and loop for cork plug left on the eyebolt of the emptying plug being removed, and brought to produce locally.

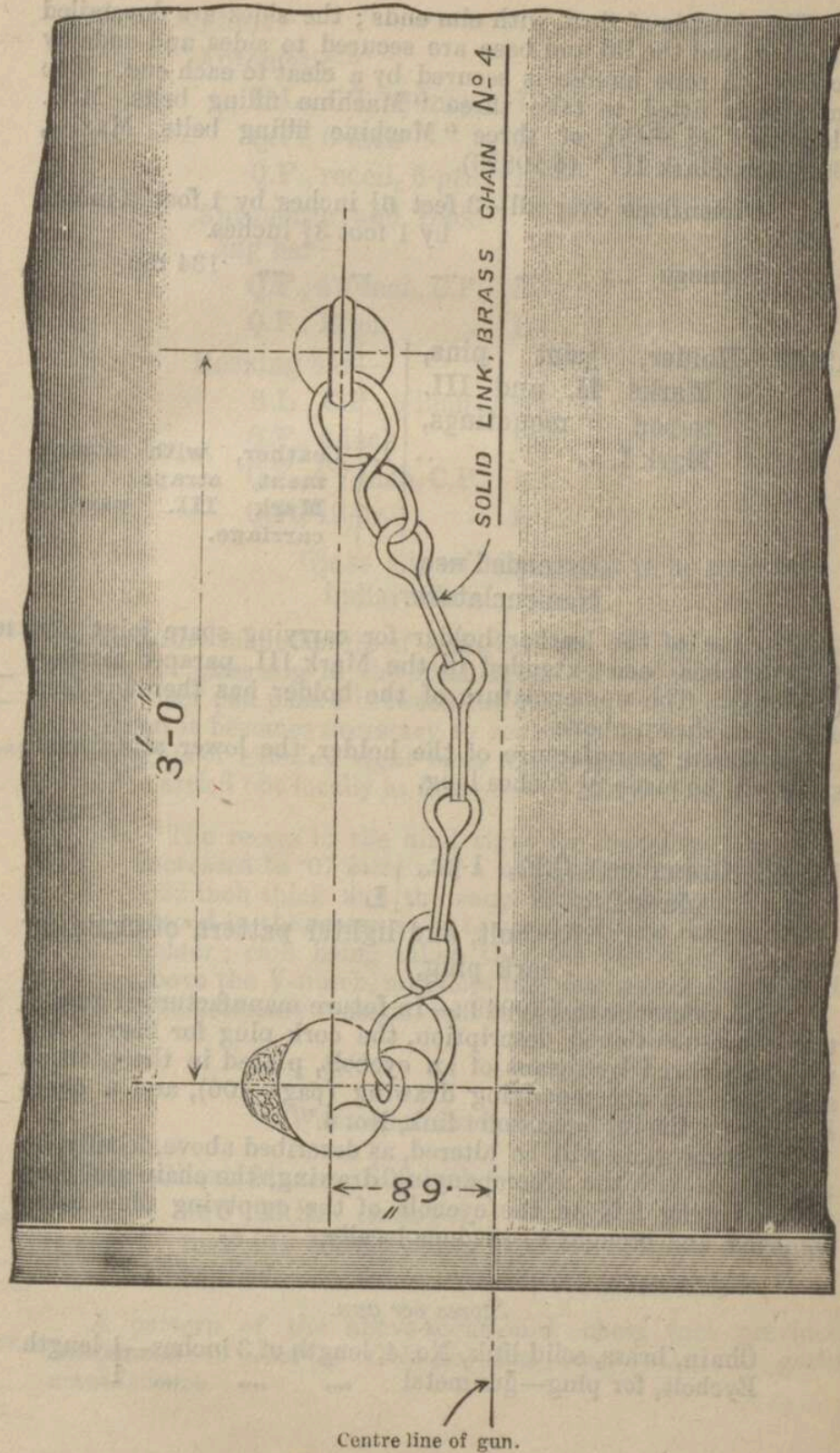
Stores per gun.

Chain, brass, solid link, No. 4, length of 3 inches—1 length.	
Eyebolt, for plug—gunmetal	.... . 1

706

Ordnance, Q.F., 1-pr., Mark I.
Eyebolt and lighter pattern of chain for cork plug.

Full size.



707

(WOOLWICH SECTION, No. 17.)

12148.—Gauge, striker, eccentricity, Mark I. .. C

Brass, with removable copper plug; for testing eccentricity of striker in guns using P tubes.

Indent

Plug, Mark I. .. C

Copper.

A drawing (R.L. 12582B) of the above-mentioned gauge has been sealed to govern manufacture. 30th June 1903.

The gauge is of brass, and is similar in contour and external dimensions to the "Tube, vent sealing, electric, wireless" (§ 8182). A recess is formed in the outer end of the gauge for the reception of a copper plug. Across the outer end of the gauge are engraved crosslines at right angles, one of the lines being marked with a star (*). 73
3
3654
22nd Dec. 1903.
4676

Twenty-five plugs will be issued with each gauge, as a first supply for land service. 7th April 1904.
57
Gen. No.
5300

Method of using the gauge.

Open the breech and insert the gauge in the tube chamber of the vent (in the case of B.L. and B.L.C. guns), or in the adapter of the cartridge (in the case of Q.F. or Q.F.C. guns using adapters), care being taken to note the position of the star (*) on the outer end of the gauge. The breech will then be closed, the striker of the gun cocked, and released by pulling the trigger, when the indent of the point of the striker in the copper plug of the gauge will denote the amount and direction of eccentricity of the striker.

(WOOLWICH SECTION, No. 18.)

12149.—Brush, rammer and sponge, B.L., 6-inch, chamber, Mark I. .. C

Copper band fitted to head.

A copper band will be fitted to the front of the head of brushes of the above-mentioned description (§§ 9612, 10894) to prevent the wooden head of the brush chipping. 6th Oct. 1903.
9th March 1904.
18th March 1904.

This alteration will be carried out in accordance with the accompanying drawing (page 708) as follows:— 57
Devonport
8475

Land service.—Locally, the following stores being supplied to officers concerned on demand:—

Stores per brush—	No.
Band, copper	1
Screws, brass, flat head, $\frac{1}{2}$ -inch, gauge No. 7	6

708

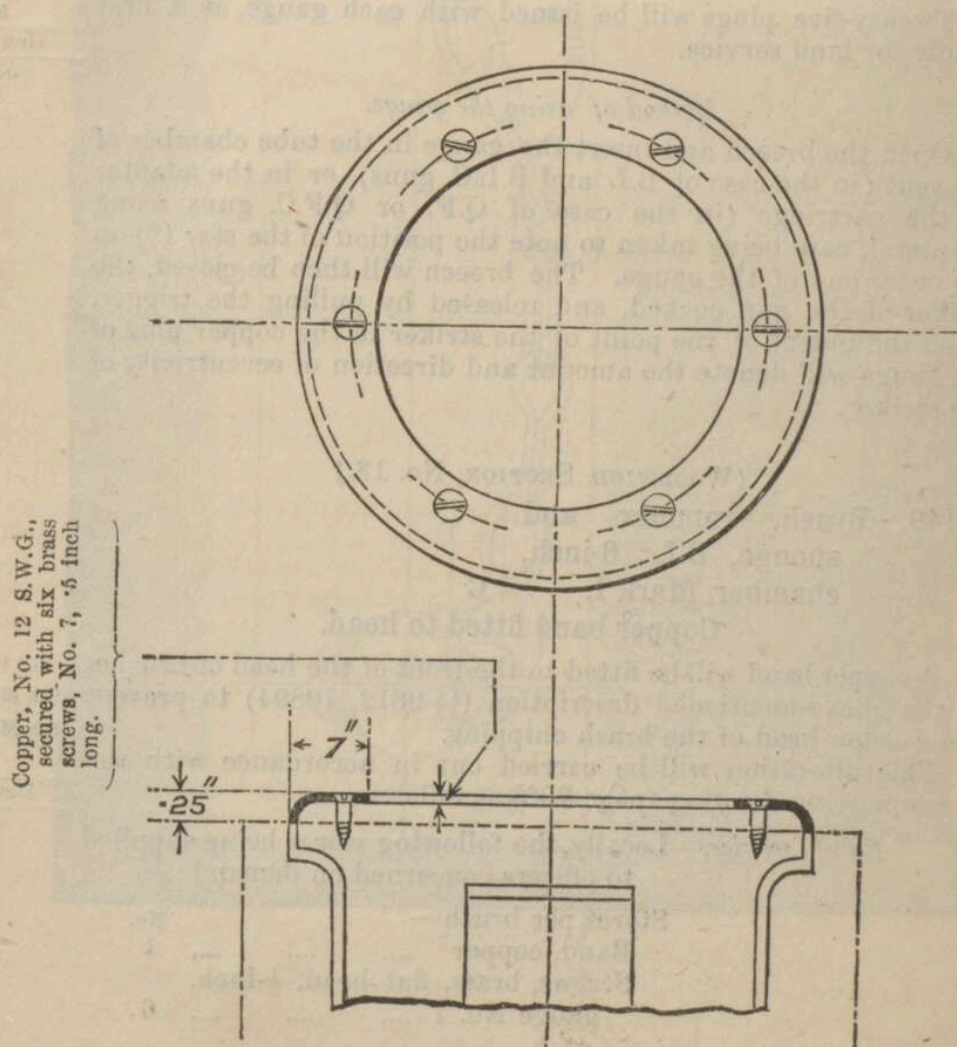
Naval service.—At depôts and on board ships.

The copper bands will be made at Naval Ordnance Depôts, copper sheet, No. 12 S.W.G. (or, if not available, copper sheet, Whitworth gauge No. 110), and the fixing screws, being drawn from the nearest dockyard, or obtained locally, for this service.

The copper bands and screws will be issued to ships for fitting to the rammers.

Brush, rammer and sponge, B.L., 6-inch chamber, Mark I.
Fitting of copper band to head.

Scale $\frac{1}{3}$.



709

(WOOLWICH SECTION, No. 22.)

12150.—Fuze, time and per-
cussion, 20 seconds,
No. 58. (Mark II.) .. L Metal.

With reference to § 10726 (page 331):—The following modifications have been embodied in fuzes of the above-mentioned description :—

3rd Feb. 1903.

57

Gen. No.

3056

- (1.) The time rings are made of brass, instead of aluminium.
- (2.) The shape of the head, and time arrangement, has been altered.
- (3.) The phosphor bronze safety pin has been dispensed with.

Consequent upon these modifications the numeral has been advanced to "Mark II."

(WOOLWICH SECTION, No. 22A.)

12151.—Box, ammunition, Q.F.,
1-pr., 50 rounds.
(Mark I.) L Wood, with tinned steel
lining.

A drawing (R.C.D. 9638B (1)) of the above-mentioned box has been sealed to govern manufacture.

8th Oct. 1903.

57

Cape

28

The box is made of deal and elm, with cleats and rope handle at the sides. The lid is fastened by a hasp and turnbuckle.

The box is provided with a lining of tinned steel, having three diaphragms and a lid. The diaphragms are perforated in 50 places to take projectiles; the lid of the lining is closed by a luten joint.

Dimensions, &c.

						inches.
Length	....	....	....	....	....	23·5
Width	....	....	....	....	....	13·25
Depth	....	....	....	....	....	8·65
						ton.
Tonnage	...	...	...	...	...	·0389
						lb.
Weight, empty	....	....	....	....	....	25
Weight, filled	....	....	....	....	....	99½

(WOOLWICH SECTIONS, Nos. 22A AND 24.)

12152.—Cartridges, Q.F. and Q.F.C. |

1. Nomenclature to distinguish cartridges with primers from those with adapters.

Boxes, cartridge, Q.F. and
Q.F.C.

2. Marking of packages "with primers" or "with adapters."

3rd Sept. 1903.

75

12

3936

1. In order to distinguish Q.F. and Q.F.C. cartridges fitted with primers from those with adapters, the nomenclature will be amended by the inclusion of the words "with primer," or "with adapter," as the case may be, in the designation; and the deletion of "and electric primer" from the detail.

The following is typical of the amended nomenclature :—

Cartridge, Q.F., 4·7-inch, Marks I.
to IV.* guns, filled, 5 lb. 7 oz.
cordite, size 20 (Mark V.)—

With primer	C	} Brass, with lid.
With adapter....	C	

2. Cartridge boxes will be stencilled in red, in $\frac{3}{4}$ -inch letters "with primers," or "with adapters," as the case may be.

12153.—Cartridges, Q.F. or
Q.F.C.—

Primers, electric,			
large .. ..	..	..	C
Adapters .. ..	..	..	C

Use of electric primers and steel adapters
consequent upon the introduction of
bronze adapters.

2nd Feb. 1904.

75

3

915

With reference to §§ 11756, 11878 :—The Mark IV. bronze adapters and the Mark I. manganese bronze adapters (converted from primers), with which electric or percussion tubes will be used, will supersede electric primers and steel adapters, for electric and percussion firing respectively, so soon as the existing stock of primers and steel adapters has been used up.

So long as cartridges with electric primers remain in the service, the use of steel adapters will be continued for percussion firing (as an alternative method, provided steel adapters are available for issue for that purpose) from guns of fixed armaments, and similarly for naval service also.

711

A certain number of steel adapters have been allotted to cartridges for Q.F. 4.7-inch guns on travelling carriages to replace the wood plugs with which the cartridges were temporarily issued, *vide* § 11138, and they will now be fitted with paper discs to prevent the ingress of damp, and inserted in the cartridges.

The Mark IV. or Mark I. converted adapters will also be stored in the cartridges, and demands should be put forward for the number required to replace wood plugs in the cartridges not now fitted, or to be fitted, with steel adapters.

The wood plugs will, when replaced by the steel and bronze adapters, be returned to Woolwich by first conveyance.

As a general rule, steel adapters should not be kept stored in cartridges, and, therefore, they do not require paper discs, excepting those for the Q.F. 4.7-inch cartridges mentioned above.

Instructions for replacing wood plugs by bronze and steel adapters.

- (1.) Stand the cartridge upright on the small end and remove the wood plug.
- (2.) Insert a finger in the hole in the base to ascertain that the cordite cylinder is in its correct position.
- (3.) Insert the adapter, care being taken that it enters the cordite cylinder.

The following additional instructions must be observed when replacing wood plugs by "steel" adapters :—

- (4.) Cover the small end of the steel adapter with a paper disc, shellaced on, and painted over with Pettman cement. For this purpose a specimen paper disc will be supplied to officers concerned, on demand.
- (5.) Ascertain that the adapter is thoroughly clean and dry, and free from rust.

The above will be carried out locally as a laboratory operation, in accordance with the instructions detailed herein.

(WOOLWICH SECTION, No. 22A.)

12154.—Gauges, shell, Q.F.,		
2.95-inch and 12½ pr. :—		or shot, ring; wrought iron.
Band—		
High, Mark I. ..	L	3.022 inches.
Low, Mark I. ..	L	3.004 inches.
Body, Mark I. ..	L	2.951 inches.

Extended use and nomenclature.

With reference to § 11581 :—The use of the 2.95-inch gauges

1st May 1902.

73

4

4031

therein mentioned has been extended to Q.F. 12 $\frac{1}{2}$ -pr. projectiles (§ 11465), and the nomenclature has been amended accordingly, as shown above.

(WOOLWICH SECTION, No. 23.)

12155.—Boxes, ammunition, small
arm.

Labels to distinguish boxes containing
'303-inch cartridges in chargers.

27th Jan. 1904.

16th Feb. 1904.

57

Gen. No.

5042

In continuation of § 7603 :—In order to distinguish boxes containing '303-inch cartridges packed in chargers from those with cartridges in ordinary paper packets, the labels on the various boxes affected will be as illustrated by the annexed "typical" drawings.

12156.—Boxes,	ammunition,	
S.A.—		
Pistol, Enfield, 240		
rounds	L	
'303-inch, half, naval	N	

New cross handle fastening.

31st Aug. 1903.

57

Gen. No.

4437

The sliding lids of boxes of the above-mentioned description will, in future manufacture, be secured by means of a half round brass split pin having a T-shaped handle attached to it.

1st Dec. 1903.

4874

12157.—Boxes,	ammunition,	
S.A., 1,000 rounds,		
'303-inch, in chargers—		
No. 1, Mark I. ..	L	
No. 2, Mark I. ..	L	

Altered dimensions and weights.

12th Jan. 1904.

57

Gen. No.

5067

With reference to § 11980 (page 561) :—The dimensions and weights of the above-mentioned boxes should be as shown below, instead of as therein stated.

TYPICAL DISTINGUISHING LABELS.

Scale 1/3.

**• 303 INCH
IN CHARGERS**



4856. 4. 04.

Weller & Graham, Ltd. Litho, London.

713

Dimensions, &c.

						Boxes, A.S.A., 1,000 rounds.			
						Nos. 1 and 2.			
						inches.			
Length } Width } Depth }	Not to exceed for stowage				{	17			
						8.312			
						10.85			
Tonnage						ton. .02218			
						No. 1 box.		No. 2 box.	
						lb. oz.		lb. oz.	
Weight { empty	about	11 10		14 2	
						80 10		83 2	
Weight { filled	about				

(WOOLWICH SECTION, No. 24.)

12158.—Box, cartridge, Q.F. 4.7-inch Mark V, gun, Mark I.	L	Wood, zinc lined; with 8 lifting bands, and 2 bottom and 4 spring packing pieces; to hold 4.
---	---	--

1. New pattern.

Box, cartridge, Q.F. 4.7-inch Marks I. to IV.* guns, land ser- vice, converted ..	L	Wood, zinc lined; with 12 lifting bands, and 1 bottom and 6 spring packing pieces; to hold 6.
--	---	---

2. Existing "Boxes, cartridge, Q.F. 4.7-inch, Mark V. gun, Mark I." (§§ 11020, 11191), to be converted to carry cartridges for Marks I. to IV.* guns.

1. A pattern (design R.C.D. 10093A (2)) of the above-mentioned box has been approved to govern manufacture for

3rd March 1903.

24th Aug. 1903.

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262

10th Oct. 1903.

57

Gen. No.

3235

use in packing cartridges for Q.F. 4·7-inch Mark V. guns, § 11698.

The box, which will hold four cartridges, is made of either teak or mahogany, and differs from the box described in §§ 11020, 11191, principally in dimensions. It is provided with eight lifting bands, and with two bottom and four spring packing pieces.

Dimensions, &c.

Length	} Not to exceed for stowage	inches.
Width		29·1
Depth		14·5
Weight, empty (including lifting bands and packing pieces)	about	13·75
Tonnage....	ton.	2 10
		·0839

2. As the "Box, cartridge, Q.F. 4·7-inch Mark V. gun, Mark I.," described in §§ 11020, 11191 (introduced for use with a shorter cartridge case for Q.F. 4·7-inch Mark V. guns, which was not finally adopted), is not suitable for packing the Q.F. 4·7-inch Mark V. gun cartridge (§ 11698), the existing stock of such boxes will be converted to suit cartridges for Q.F. 4·7-inch Marks I. to IV.* guns for land service, and a drawing (R.C.D. 10276A) has been sealed to govern the conversion.

This modification will be carried out in Ordnance Factories, and consists of fitting the box internally with five wood strips, each covered with zinc, so as to reduce the packing space of the box and render it suitable for the cartridges for Marks I. to IV.* guns. The zinc covered strips are soldered to the zinc lining of the box, three on the bottom and two on one side.

External dimensions are unaltered.

When converted, the boxes will be known under the nomenclature shown above.

12159.—Cartridges, B.L. and B.L.C.,
6-inch and 5-inch.

1. Marking to distinguish B.L.C. gun ammunition.

Marking of existing empty B.L. and B.L.C. cartridges in store.

Cartridges, Q.F. or Q.F.C.,
6-inch.

2. Nomenclature to include "gun."

With reference to § 11918 :—

1. In future, B.L.C. 6-inch and 5-inch ammunition will also

7th July 1903.

16th Dec. 1903.

14th April 1904.

75

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624

be marked "gun," to distinguish it from B.L. "howitzer" ammunition of the same calibres.

Existing empty B.L. and B.L.C. 6-inch and 5-inch cartridges in store will be marked, as required, before filling.

The following is a list of B.L.C. cartridges affected which (in addition to the B.L. cartridges detailed in § 11918) will be dealt with as described above:—

Cartridges, B.L.C.—

6-inch gun, 10 lb. 7½ oz., cordite, M.D., size 16, Mark I.	L
5-inch gun, 5 lb. 4 oz., cordite, size 10, Mark I.	N
5-inch gun, 2 lb. 4 oz., cordite, size 7½, Mark I.	N
Drill, 5-inch gun, 5 lb. 4 oz., Mark I.	N

2. The nomenclature of Q.F., or Q.F.C., 6-inch cartridges will also, in future, include "gun," as shown typically below—

Cartridge, Q.F., or Q.F.C., 6-inch
gun, short, filled, 13 lb. 4 oz.,
cordite, size 30—

With primer, Mark VII.	C	} Brass, with lid.
With adapter, Mark VII.	C	

12160.—Shell, B.L., common,
9·2-inch, iron C

1. Use of, for drill purposes.

Shell, B.L., drill, 9·2-
inch, Mark I. L

2. No more to be made.

1. It has been decided that for all B.L. 9·2-inch guns in land service, for which drill shell (§ 6659) have not already been provided, one B.L. 9·2-inch common iron shell per gun is to be set aside for drill purposes (or, if not available, should be demanded), the projectile being marked "DRILL" in 1-inch white letters round the nose.

These shell, or the drill shell if already provided, will be rammed home at the first round of drill only, and extracted on conclusion of the drill. Arrangements for extraction of the shell will be made locally.

5th May 1903.

75

12

2354

17th March 1904.

4385

2. Consequent on the foregoing, no more B.L. 9·2-inch drill shell (§ 6659) will be made, and so soon as existing stock is used up they will be regarded as obsolete.

(WOOLWICH SECTION, No. 26.)

12161.—Fenders:—

5 feet 9 inches, without bottom pan	Officers mess kitchen.
3 feet 3 inches, with bottom pan	Officers and warrant officers quarters, M.S. bedrooms and hos- pitals.
3 feet 3 inches, without bottom pan	M.S. living rooms and serjeants rooms.
Officers V.S. { 3 feet 9 inches 3 feet 5 inches 3 feet 3 inches	Without bottom pan.
Soldiers V.S. { 3 feet 9 inches 3 feet 5 inches 3 feet 3 inches	

1. Nomenclature.

Scullery	M.S. kitchens and sculleries.
----------------	----------------------------------

2. New pattern.

8th Dec. 1903. 1. The nomenclature, and details appended thereto, of the
20th Feb. 1904. above-mentioned fenders, mentioned on page 1247, Priced
15th March 1904. Vocabulary of Stores, 1902, have been altered to read as now
shown.

57

Gen. No.

4627

2. A pattern of the "Scullery fender" has been sealed as typical to govern supplies.

The pattern fender sealed is of wrought iron, with a centre stay and bracket fixed to the front plate; it is without bottom pan, and is about $24\frac{1}{2}$ inches in length by 12 inches in depth over all; the height is $4\frac{3}{4}$ inches.

In putting forward demands for this fender the length and depth required must be given; the height is the same for all sizes.

717

(WOOLWICH SECTION, No. 27.)

12162.—Flags, signal, international
code—Pendant, answering .. 17 feet by 3 feet 6 inches;
4 inches fly.

To be issued with each set of flags.

With reference to § 11700:—The above-mentioned pendant will be issued for each set of flags, to be used as an answering pendant, as directed in the "Instructions for the use of the Code" supplied to stations. It should not be used as the "code" pendant of the international code proper, for which the R.G.A. pendant is substituted.

4th March 1904.

57

Gen. No.

5098

12163.—Pillow, hospital, feather.

(Mark I.) 3 lb. 9 oz., filled; 3 lb.
feathers.

Addition of 1 lb. of feathers to contents.

Nomenclature.

With reference to § 6665:—1 lb. of feathers has been added to the sealed pattern of above pillow, to govern future supplies and alteration of pillows in store at Woolwich.

The "Mark" of the pillow will not be advanced, but the detail appended to nomenclature of the altered pillows will be as shown above.

18th Jan. 1904.

57

Gen. No.

4835

(WOOLWICH SECTION, No. 28.)

12164.—Apparatus, lime light—

Cylinder, oxygen
mixture. (Mark I.) L Tin; to hold 2 lb.

1. New pattern.

Apparatus, lime light—

Case, tin. (Mark I.).. L 38 lb. oxygen mixture.

Flask. (Mark I.) .. L Brass, with cap forming
 $\frac{1}{2}$ lb. measure, for 4 lb.
oxygen mixture.

2. To become obsolete.

Apparatus, lime light—

Case, brass. (Mark I.) L 1 quart spirits of wine.

3. Obsolete.

1. A pattern of the above-mentioned "Cylinder, oxygen mixture," has been sealed to govern future supplies.

28th Nov. 1903.

16th April 1904.

57

Gen. No.

3126

The over all dimensions are—

Height	....	....	....	....	inches.
Diameter	...	....	....	....	5
					3 $\frac{5}{8}$

2. The "Case, tin," and "Flask" § 11403, will become obsolete when existing stock has been used up.

3. The "Case, brass," § 11403, is hereby declared obsolete, and will be returned to store for disposal.

12165.—Apparatus, lime light—

Lamps. (Marks VI.
and VII.) L

New springs to shutter.

Position of lower catch on shutter altered.

28th Nov. 1903.

2nd Jan. 1904.

57

Gen. No.

3126

In future, the springs actuating the shutter of the above-mentioned lamps (§§ 9113, 10178, 10584, 11404, 11405), will be made with 35 instead of 19 working turns.

To accommodate the longer spring the lower catch will be moved $\frac{5}{8}$ inch, as shown in accompanying diagram (p. 719).

These alterations will be carried out locally, for which purpose the undermentioned stores will be issued to officers concerned on demand.

Apparatus, lime light:—

Lamps, Marks VI. and VII.—

Spring, shutter	} 1 per lamp.
Catch, lower	

12166.—Frame, resistance,
200 ampères, 25 ohm,
Mark II. L

Iron, with 11-point
switch.

5th May 1903.

7901

863

A pattern of the above-mentioned frame has been sealed to govern future manufacture.

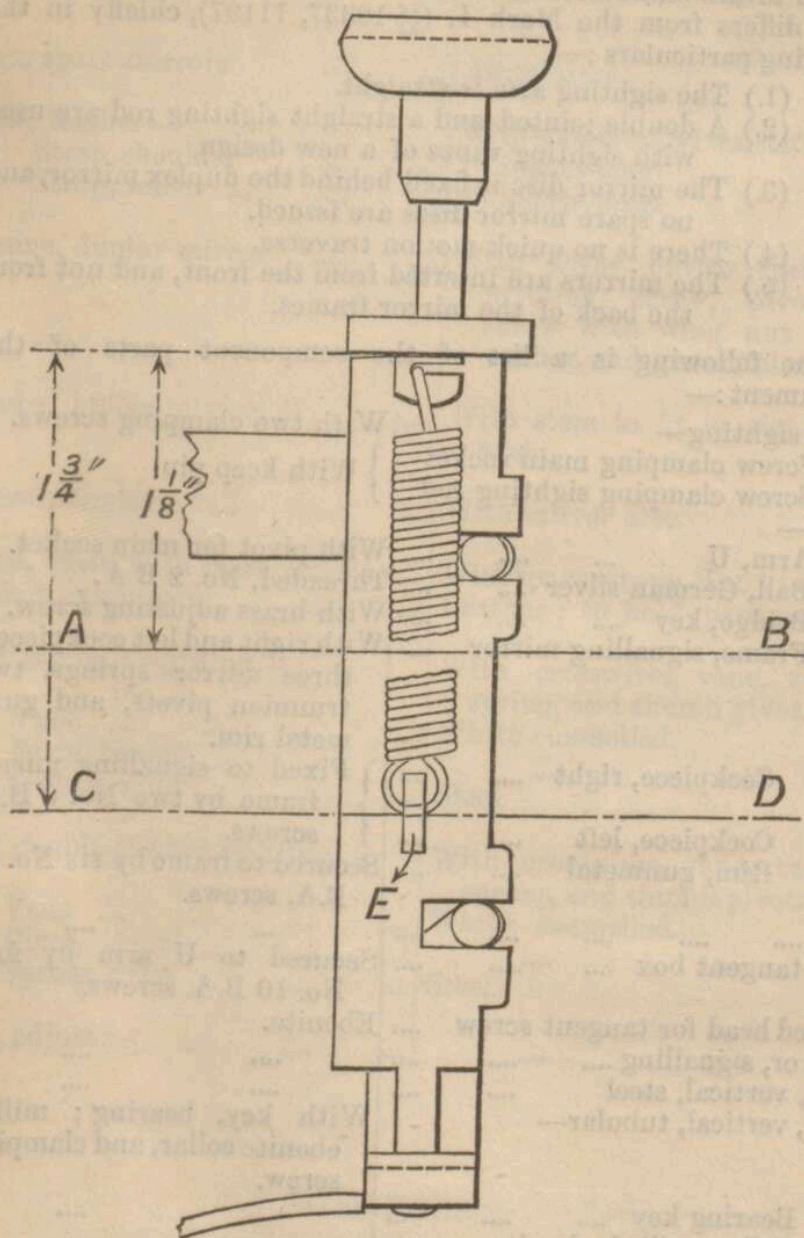
It differs from the previous pattern (§ 7992)—as altered in accordance with War Office letter 7901/863 (I.S.D.), dated 25th August, 1903—in having circular contact p'ates.

719

Apparatus, lime light.—Plunger of lamp shutter.

Side view.

Full size.



AB.—Line passing through centre of hole of catch in old position.

CD.—Line passing through centre of hole of catch in new position.

E.—Catch fixed in new position.

12167.—Heliograph, 3 inch.
(Mark II.) L In leather case.

12th Dec. 1902.

57

Gen. No.

3295

19th Aug. 1903.

4511

A pattern of the above-mentioned store has been sealed to govern future manufacture.

It differs from the Mark I. (§§ 10337, 11197), chiefly in the following particulars:—

- (1.) The sighting arm is straight.
- (2.) A double jointed and a straight sighting rod are used with sighting vanes of a new design.
- (3.) The mirror disc is fixed behind the duplex mirror, and no spare mirror discs are issued.
- (4.) There is no quick motion traverse.
- (5.) The mirrors are inserted from the front, and not from the back of the mirror frames.

The following is a list of the component parts of the instrument:—

Arm, sighting—

Screw clamping main socket

Screw clamping sighting rod

With two clamping screws.

} With keep pin.

Body—

Arm, U

Ball, German silver

Bridge, key

Frame, signalling mirror

With pivot for main socket.

Threaded, No. 2 B.A.

With brass adjusting screw.

With right and left cockpieces, three mirror springs, two trunnion pivots, and gun-metal rim.

Cockpiece, right

Cockpiece, left

Rim, gunmetal

} Fixed to signalling mirror frame by two No. 6 B.A. screws.

Secured to frame by six No. 12 B.A. screws.

Key

Lid, tangent box

Secured to U arm by four No. 10 B.A. screws.

Milled head for tangent screw

Mirror, signalling

Rod, vertical, steel

Rod, vertical, tubular—

Ebonite.

With key, bearing; milled ebonite collar, and clamping screw.

Bearing key

Collar, milled, ebonite

Screw, clamping

To clamp vertical steel rod; with No. 4 B.A. milled nut, and No. 10 B.A. cheese-headed screw.

721

Screw, steel, tangent	....	....	....	....
Socket, main	....	....	....	....
Spring, key	....	....	....	....
Spring, steel, tangent screw	....	....	....	....
Threaded to fit on stand.				
Box, spare mirrors	....	....	....	....
Aluminium.				
Case, leather—				
Strap, shoulder	....	....	....	....
Strap, waist	....	....	....	....
With shoulder and waist straps.				
70 inches long.				
48 inches long.				
Frame, duplex mirror	....	....	....	....
With three mirror springs, pivoting screw, pivoting screw with wing nut and washer, and gunmetal rim.				
Frame, duplex mirror, U...	....	....	....	....
With stem to fit in sighting arm.				
Mirror, duplex	....	....	....	....
With mirror disc.				
Plate, brass, with spare screws	....	....	....	....
Pocket, spare parts	....	....	....	....
With spare screws, Nos. 1 to 10.				
Leather; to hold spare parts.				
Rod, straight sighting—				
With crosswires, vane, vane spring, and thumb pivot.				
Vane	....	....	....	....
Pivot, thumb	....	....	....	....
Spring, vane	....	....	....	....
White enamelled.				
Steel.				
Rod, double-jointed sighting—				
With crosswires, vane, vane spring, and thumb pivot.				
Vane	....	....	....	....
Pivot, thumb	....	....	....	....
Spring, vane	....	....	....	....
White, enamelled.				
Steel.				
Tool, adjusting	....	....	....	....

SPARE PARTS.

In spare mirror box.

					No.
Mirror, duplex	....	....	....	....	1
Mirror, signalling	....	....	....	....	1

(254)

B

722

In spare parts pocket.

	No.
Milled head for tangent screw	1
Plate, brass, with spare screws	1
Rod, vertical steel....	1
Screw, adjusting, for key bridge—with safety screw and milled lock nut (Spare No. 11)	1
Screw, clamping main socket to sighting arm (Spare No. 12)	1
Screw, clamping sighting rod to sighting arm (Spare No. 13)	1
Screw, pivoting, for duplex mirror frame; with wing nut and washer (Spare No. 14)....	1
Springs, mirror	2
Springs, key	2
Tool, adjusting	1

Spare No.	Screw on brass plate.	No.
1	Securing removable top to U arm	2
2	Securing rim of mirror frames	8
3	Securing milled head to tangent screw, key bridge to body, and cockpieces to signalling mirror frame ..	4
4	Adjusting ball pivots in cockpieces	2
5	Securing key spring	2
6	Adjusting pivot bearing of U arm	2
7	Securing coned steel pins of key, and key bearing to vertical tubular rod	4
8	Securing tangent screw lid box	4
9	Securing springs in mirror frames	4
10	Pivoting, for duplex mirror frame	2

12168.—Key, dummy, signallers.

(Mark II.)

L For instruction.

5th Feb. 1904.

57

24

4951

A pattern of the above-mentioned store has been sealed to govern manufacture.

It differs from the previous pattern (§ 5206) in having screws of even numbers of British Association threads.

723

12169.—Lantern, flashing signal.
(Mark I.) C

Nomenclature.

The nomenclature of the "Lamp, signalling, C, Mark I." 2nd March 1904.
(§ 11798), has been altered to read as shown above.

266

720

12170.—Link, explosive, Mark
III. L In two parts; body and
head.
Body L Cast iron.
Head L Steel.

New pattern.

Links, explosive, Marks
I. and II. L

Heads of broken links to be altered and
used again.

A pattern of the above-mentioned Mark III. explosive link 29th April 1903.
has been sealed to govern future manufacture.

It differs from the previous patterns (§§ 9350, 10035 and
10755) in the following particulars:—

84

D

2859

(1.) The link is in two parts (body and head) instead of in
one casting. 26th March 1904.

61

20

(2.) The body is 1 inch internal, $1\frac{1}{2}$ inches external
diameter, with the eye bored through it near the
top.

(3.) The head is made of steel, $1\frac{1}{8}$ inches long; depth to
seating, $1\frac{3}{8}$ inches.

In future, the heads of explosive links will not be expended
when the body becomes unserviceable.

Existing Marks I. and II. links at stations, after firing, are to
have their heads turned down, and the hole through seating
enlarged to $1\frac{1}{32}$ inches diameter; these heads will be held on
charge for use with bodies of Mark III. links. This alteration
will be carried out locally.

12171.— Shackles, chain, screw, $\frac{5}{8}$ -inch, Mark II. ... L Iron, galvanized.

1. Pattern sealed.

Shackles, chain, screw, $\frac{1}{2}$ -inch L

2. No more to be provided.

Shackles, chain, snap—
 $\frac{1}{2}$ -inch L
 $\frac{5}{8}$ -inch L

3. Obsolete.

3rd Oct. 1903.

57

Gen. No.

3098

1. A pattern of the above-mentioned "Shackle, chain, screw, $\frac{5}{8}$ -inch, Mark II.," has been sealed to govern future manufacture. It differs from the previous pattern (§ 3000) in the following particulars:—

The width between jaws is $1\frac{7}{16}$ inches, instead of $1\frac{5}{8}$ inches.

The length of bow is approximately $\frac{1}{2}$ inch less.

The head of pin is smaller.

(Issues of these new pattern shackles have been made for some time, but announcement has not hitherto been made in *List of Changes*.)

2. No more "Shackles, chain, screw, $\frac{1}{2}$ -inch" (§ 3127), will be provided, and as soon as the existing stock is used up, that size will be regarded as obsolete, and be replaced by the $\frac{5}{8}$ -inch screw shackle.

3. "Shackles, chain, snap, $\frac{5}{8}$ -inch and $\frac{1}{2}$ -inch" (§§ 5042, 8664), are hereby declared obsolete, and will be replaced in accordance with War Office letter 57, Gen. No. 3093 (I.S.D.), dated 9th September, 1903.

12172.— Stand, lamp or heliograph, "A," Mark III. L For apparatus, lime light, lamp; 3-inch and 5-inch heliographs; lamp, signalling, B; mounted or dismounted services.

Addition of leather sling.

28th Nov. 1903.

57

Gen. No.

3126

A leather sling (consisting of a short strap, and a long strap with buckle) has been added to the above-mentioned store

725

(§§ 4598, 5397, 11321) to allow of its being carried slung over the shoulder. The alteration to existing stands will be carried out locally, for which purpose the undermentioned stores will be issued to officers concerned on demand.

	Per stand.
Strap, short	1
Strap, long, with buckle	1
Plates, lower—	
Inside	1
Outside	1
Screws, brass, chamfer-headed, No. 0 B.A., 1½ inches long	2
Instructions for fitting—1 per 10 or part of 10 stands.	

(WOOLWICH SECTION, No. 29.)

12173.—Box, drawing. (Mark I.) | L | With 2 trays.

Supplies of the above-mentioned store have previously been made, but no announcement has hitherto been made in *List of Changes*.

The nomenclature of the store has been altered to read as now stated.

The exterior dimensions of the box are about—

	inches.
Height	4½
Width	10½
Length	14½

12174.—Horizon, mercurial. (Mark I.) L	With iron bottle of mercury, frame and trough.
Bottle. (Mark I.) .. L	Iron, with screw plug and cap to hold 2½ lb. mercury.
Horizon, dark glass. (Mark I.) L	In case, with spirit bubble in brass box.
Obsolete.	

The above-mentioned stores, not previously referred to in *List of Changes*, are hereby declared obsolete.

5th Feb. 1904.
57
24
4951

726

12175.—Instrument, taking im-
pressions, bore—Block, adjusting, 12-
inch B.L. Mark
VIII. chamber,
Marks I.* & II. ..

or chamber.

C

Wood and metal; with
guide and three fixing
screws; for guns with
modified chambers.Plate, chamber, 12-
inch B.L. Mark
VIII. gun, Mark
II.

C

Steel, with two fixing
bolts; for guns with
modified chambers.

Modification of Mark I. adjusting blocks.

Nomenclature of Mark I. adjusting blocks
and chamber plates.

26th Jan. 1903.

73

3

4256

A drawing (R.G.F./10850/7) of the above-mentioned Mark II. adjusting block and chamber plate has been sealed to govern manufacture for use with "No. 4 instrument, taking impressions, bore" (§ 5910), in taking impressions of the chambers of B.L. 12-inch Mark VIII. guns.

The Mark II. chamber adjusting block and chamber plate differ from Mark I. (§ 8509) only in being shaped to suit the contour of the modified chamber of the gun (§ 11595).

Existing Mark I. adjusting blocks will be modified to conform to the Mark II. pattern by the Ordnance Factories as required, and when so altered they will be described as "Mark I.," and be so stamped.

Consequent on the above, the details appended to the nomenclature of the Mark I. adjusting block and chamber plate for B.L. 12-inch Mark VIII. gun (§ 8509) will be amended by the addition of the words "except for guns with modified chambers."

12176.—Needle, protracting.

(Mark I.)

L

In wood handle.

5th Feb. 1904.

57

24

4951

Supplies of the above-mentioned store have been made, but no announcement has hitherto been made in *List of Changes*.

A pattern has now been sealed.

The handle is about $1\frac{3}{4}$ inches long, and the needle and handle are about $2\frac{3}{4}$ inches long over all.

727

12177.—Peg, stay, telegraph, |
 Mark II. L Steel, 2½ lb., 13-inch.

A pattern of the above-mentioned stay peg has been sealed to govern future manufacture. 12th Feb. 1904.

It differs from the previous pattern (§ 11494) in the following particulars:—

- (1.) The vertical stiffening rib is omitted.
- (2.) The flange is $\frac{3}{4}$ inch deep instead of $\frac{5}{8}$ inch, and is slightly different in shape.
- (3.) The length is 13 inches, and width $2\frac{1}{4}$ inches, instead of 15 inches and $2\frac{3}{8}$ inches respectively.
- (4.) The weight is $2\frac{1}{2}$ lb. instead of 4 lb.

12178.—Pole, telegraph, iron, |
 semi - permanent, |
 Mark IV. L Base, and 4 tapered
 sections, with cap;
 height of base and
 sections when fitted
 21 feet 3 inches.

A pattern of the above-mentioned pole has been sealed to govern future manufacture. 1st Feb. 1904.

The pole differs from the previous pattern (§ 11257) in the following particulars:—

- (1.) It comprises a base, four tapered sections, and cap, instead of one tapered length.
- (2.) The cap fits loosely in the top section, and is provided with a $\frac{9}{16}$ -inch to $\frac{17}{32}$ -inch tapered plain hole.
- (3.) The pole complete weighs about 88 lb. (instead of 45 lb.); the weight of the respective parts being—

	lb.
Base	49 $\frac{3}{4}$
Sections—	
Bottom	15
Second	10 $\frac{1}{2}$
Third	7
Top	5 $\frac{3}{4}$

The Mark IV. pole may be regarded as strong enough to carry four light wires if suitably stayed.

"Brackets, insulator, tubular iron pole, semi-permanent," are suitable for use with the Mark IV. pole, but will not be issued with it, being demanded as required together with the necessary bolts and saddles.

For convenience of transport, the three top sections fit into the bottom one.

The hole in the cap is suitable to receive a $\frac{5}{8}$ -inch lightning rod, which should be tapered to $\frac{1}{2}$ inch for a length of $2\frac{1}{4}$ inches, to enter the cap. Lightning rods are not supplied with the poles.

Consequent on the introduction of the Mark IV. pole, no more "Points" for Marks. II. or III. poles (§§ 8777, 11257), will be provided, and as soon as the existing stock of these poles and points is used up, such patterns will become obsolete.

The designation and details of the parts of the new pattern pole are as follows:—

Poles, telegraph, iron, semi-permanent, Mark IV.:—

Base	....	....	....	L	4 feet long ; $4\frac{1}{8}$ inches external diameter at top, and 3 inches at bottom.
Sections—					
Bottom	....	....	....	L	4 feet $11\frac{3}{4}$ inches long ; $4\frac{1}{4}$ inches internal diameter at bottom, $3\frac{5}{8}$ inches external diameter at top.
Second	....	....	...	L	4 feet $9\frac{3}{4}$ inches long ; $3\frac{1}{16}$ inches internal diameter at bottom, 3 inches external diameter at top.
Third	....	....	....	L	4 feet $9\frac{3}{4}$ inches long ; $3\frac{1}{16}$ inches internal diameter at bottom, $2\frac{3}{16}$ inches external diameter at top.
Top	....	....	....	L	4 feet $9\frac{3}{4}$ inches long ; $2\frac{3}{8}$ inches internal diameter at bottom, $1\frac{1}{16}$ inches external diameter at top.
Cap	....	....	....	L	$1\frac{5}{8}$ inches long under head ; tapering from $1\frac{5}{8}$ inches to $1\frac{1}{2}$ inches external diameter.

729

12179.—Scales, mathematical,
boxwood—

No. 8 A, offset.

(Mark I.) .. L

2 inches long. 1 inch to
the mile. One edge
chains, one edge fur-
longs.

No. 8 B, offset.

(Mark I.) .. L

2½ inches long. 6 inches
to the mile. One edge
chains, one edge yards.

No. 8 C, offset.

(Mark I.) .. L

2 inches long. 12 inches
to the mile. One edge
chains, one edge yards.

No. 8 D, offset.

(Mark I.) .. L

1½ inches long. $\frac{1}{2500}$.
One edge chains, one
edge feet.

No. 8 E, offset.

(Mark I.) .. L

1½ inches long. $\frac{1}{300}$. One
edge chains, one edge
feet.

No. 8 F, offset.

(Mark I.) .. L

2½ inches long. 5 feet
to the mile. One edge
chains, one edge feet.

No. 8 G, offset.

(Mark I.) .. L

2 inches long. 10 feet
to the mile. One edge
chains, one edge feet.Patterns of the above-mentioned scales have been approved to
govern supplies.

16th Nov. 1903.

26th Nov. 1903.

57

Gen. No.

4590

12180.—Switches, telephone—

Coast defence; for
metallic circuit tele-
phones; with magneto
generator and 2 con-
necting plugs.

5-line. (Mark II.) .. L

With 5 indicators.

10-line. (Mark II.) .. L

With 10 indicators.

Patterns of the above-mentioned stores have been sealed to
govern future manufacture.

22nd July 1903.

57

Gen. No.

3511

(254)

C

They differ from those previously issued (§§ 9407, 9684, 9969, 10468, 11456, 11763, 11989) in the following points:—

- (1.) The standard, with microphone transmitter, head telephone, quadruple plug and flexible cord, are removed, and a hook, upon which a "Telephone, operators, 'A'," can be suspended, is fitted to the switch.
- (2.) Two connecting plugs are issued in place of the jack plug.
- (3.) A board with plug sockets is fitted to the switch in place of the jack plug sockets.
- (4.) Terminals for the connection to the cable lines are fitted to the switch.
- (5.) Two cells, electric, Obach, dry, A, are fixed inside the switch.

A "Telephone, operators, 'A'," is required for use with each Mark II. switch, and will be demanded separately.

No Leclanché cells, C, are required with the Mark II. switches.

The following is a list of component parts:—

Coil, indicator	....	....	....	With handle.	....
Generator, magneto	....	....	....	....	....
Plug, connecting	....	....	....	....	....

12181.—Telephone, operators, "A," case, (Mark I.) | L | Wood, 12 inches by 4 $\frac{3}{8}$ inches by 3 $\frac{1}{2}$ inches.

Nomenclature.

5th Feb. 1904.

57

24

4951

The nomenclature of the above-mentioned store (§ 8473) has been altered to read as now shown.

731

NAVAL.

(SECTION II.)

12182.—Ordnance, Q.F.:—

4·7-inch—

Screw, breech

.. C

4·7-inch A—

Screw, breech

..

Mark I. fixing screws to be used up.

With reference to § 11652 :—Mark II. fixing screws (§ 7561) will only be fitted to breech screws of the above-mentioned description when the Mark I. fixing screws become worn out and the stock exhausted.

26th March 1904.
N.O.
14912

By order of the Army Council,

EWD Ward

WAR OFFICE,

1st May, 1904.

732

NAVY
(Section II.)

12182.— Ordnance, Q.F.—
4.7-inch—
Screw, brass
4.7-inch A—
Screw, brass

Mark I. firing screws to be used up.

With reference to § 11765.—Mark II. firing screws (7381) and Mark I. firing screws (7382) of the above-mentioned description when the Mark I. firing screws become worn and the stock expended.

ERRATUM

§ 11765. Page 368, Vol. XXII.—

Boxes, cartridge, Q.F. or Q.F.C., 6-inch, naval—

Outfit (Marks I., I.*, and II.)—

Transport (Mark I.)—

Details appended to nomenclature should read—

"Wood, zinc lined; with 2 packing pieces, to hold 3 long powder cartridges; or with 4 packing pieces and 2 lifting bands, to hold 4 short cordite cartridges."